

KANETO, et al., 10/628,273
04 August 2005 Amendment
Responsive to 04 February 2005 Office Action

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Amendments to the Specification:

Please replace the paragraph bridging pages 11 and 12, line 23, with the following amended paragraph:

The design support apparatus having the above-described structure can be implemented, for example, on an ordinary computer system via a bus 29 as shown in Fig. 4, comprising a CPU 21, a memory 22, an external storage 23 such as an HDD, a reader 25 for reading information from a portable storage medium 24 such as a CD-ROM, a DVD-ROM, or the like, an input unit 26 such as a keyboard or a mouse, a display unit 27 such as a CRT or LCD, and a communication unit 28 for communicating with a network such as Internet, when the CPU 21 executes certain programs (a 3D-CAD, CAM or CAE program for implementing the model generation unit 12, a three-dimensional flow analysis program for implementing the flow analysis unit 13, a residual strain (stress) estimation program for implementing the residual strain (stress) estimation unit 14, and a three-dimensional strength analysis program for implementing the strength analysis unit 15) loaded onto the memory 22.

These programs may be directly loaded onto the memory 22 from a storage medium 24 through the reader 25, or from a communication medium such as Internet through the communication unit 28. Or, these programs may be once downloaded onto the external storage 23 before loaded onto the memory 22.

Please replace the paragraph on page 12, line 22, with the following amended paragraph:

As shown, design support according to the design support apparatus of the present embodiment comprises five steps S1 – S5S4, generally speaking.

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Please replace the paragraph on page 22, line 10, with the following amended
paragraph:

Fig. 7 is a diagram for explaining changes of a reaction rate A, a viscosity η ,
a coefficient of elasticity E, and a specific volume V with respect to molding time of
the thermosetting resin in a molten state.